

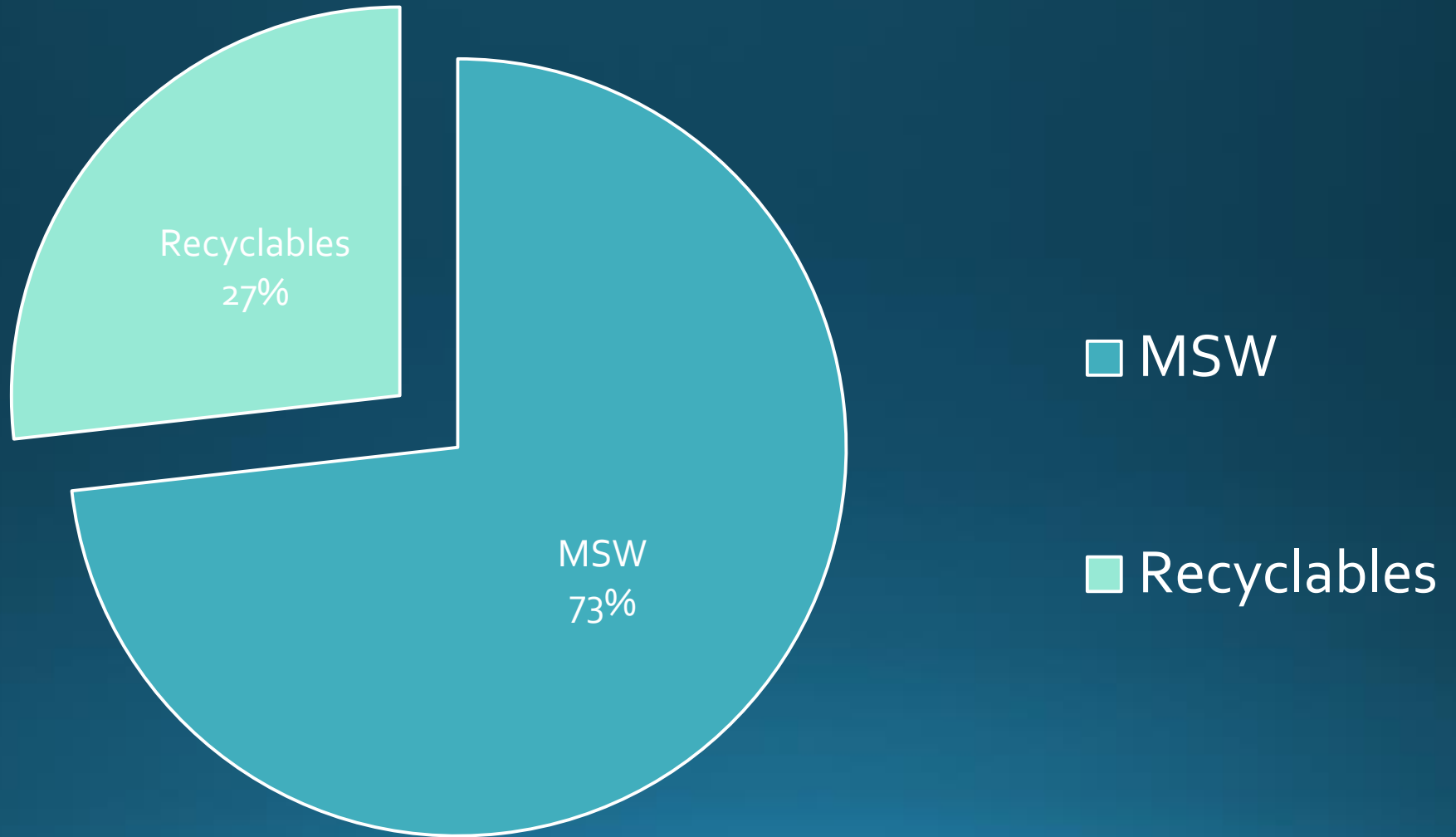


# MSW in West Hartford

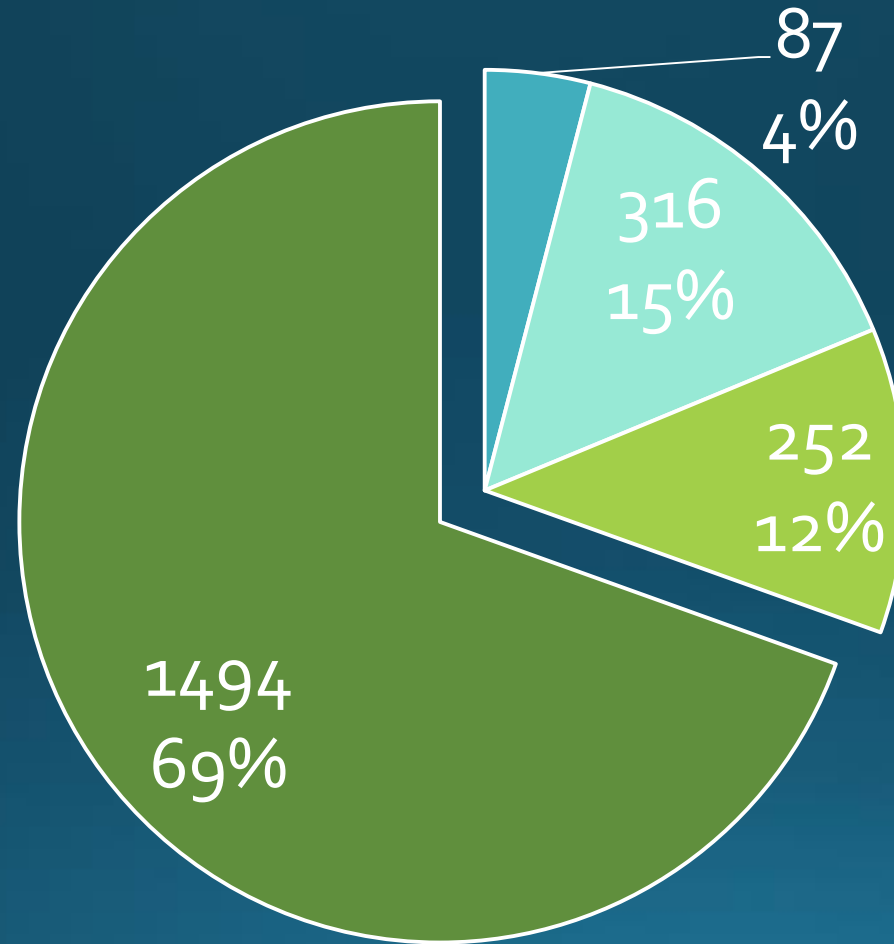
# New Legislation- Public Act 14-94: Highlights

- “Materials Innovation and Recycling Authority” (MIRA) successor to CRRA
- Recycling/Reuse target: increase to 60% from current 25% by 2024
- New Statewide Solid Waste Management Plan
- Redevelop Connecticut Solid Waste System (f/k/a Mid-Connecticut Project) along lines defined by increased emphasis on recycling
- Nonprofit “Recycle CT Foundation”

# Our Solid Waste



# Our Bulky Waste



□ CFC   □ Metals   □ Mattresses   □ Bulky Items

# How do we calculate our recycling rate?

1. First calculate total tons of MSW generated
  - Tons MSW Recycled + Tons MSW Disposed

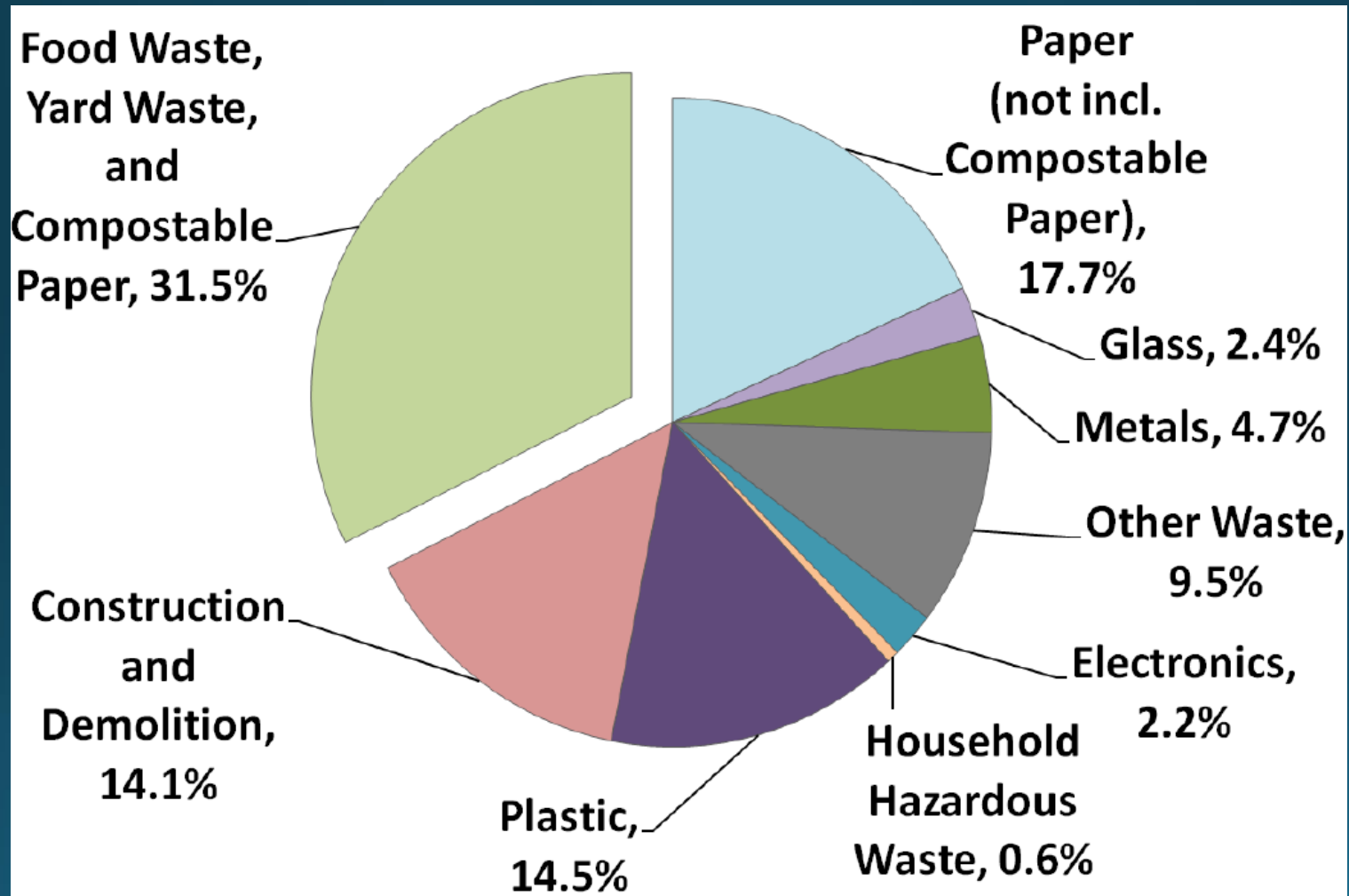
For example in FY 2014 the Town generated 19,551.79 tons of solid and bulky waste. The town also generated 7,152.97 tons of recyclable material.

$$\text{So } 19,551 + 7,152.97 = 26,704.76$$

2. To find out the % of recyclable material generated
  - Tons MSW Recycled/Tons MSW Generated

$$\text{So } 7,152.97 / 26,704.76 = .27 \text{ for a } 27\% \text{ recycling rate}$$

# What's in Connecticut's Trash



# Is it “Waste” Anymore? or



- *“Is it a fuel?; a material?; a recyclable?; a feedstock?; or, an item with a post useful life for re-use or re-purposing?”*
- *“Or, an item in need of end-of-life management by those who produced it?”*

*Steve Changaris Waste Recycling*

# CGS 22a-226e Recycling of source-separated organic materials

On and after January 1, 2014, each **commercial food wholesaler or distributor, industrial food manufacturer or processor, supermarket, resort or conference center** that is located not more than twenty miles from an authorized source-separated organic material composting facility and that generates an average projected volume of not less than one hundred four tons per year of source-separated organic materials shall: (A) Separate such source-separated organic materials from other solid waste; and (B) ensure that such source-separated organic materials are recycled at any authorized source-separated organic material composting facility that has available capacity and that will accept such source-separated organic material.

# Organics Infrastructure Being Developed...

- Three composting facilities in the state currently permitted to take food scrap - Harvest New England (Ellington), New Milford Farms (New Milford), New England Compost (Danbury)
- Permit application received for another composting facility in South Windsor (Nutmeg Road Composting)
- Permit applications in house for an anaerobic digestion (AD) facilities in Southington (Quantum Biopower and Turning Earth/Covanta partnership) and Bridgeport (Anaergia Bridgeport Bioenergy Facility)
- Other AD facilities discussed for Ansonia and SE CT
- Bridgewater, CT running a pilot program for curbside collection of food scrap
- West Hartford pilot to collect organics from WHPS cafeterias
- Other businesses providing services for food scrap collection & delivery to permitted facilities

# What is Anaerobic Digestion?



Anaerobic Digestion is the natural breakdown of organic materials without the presence of oxygen, creating a biogas, which produces heat & electricity, natural gas and nutrient-rich compost, while reducing greenhouse gas emissions. This in turn, reduces our dependence on the Earth's natural resource supply and increases our source of renewable energy options

# Acceptable Organic Waste Includes

Food Waste (Cooked or Raw)	Food and vegetable trimmings	Table scraps	File folders	Unsaleable food/food	Wrapping paper
Meat, poultry, fish and bones	Shellfish, including shells	Dairy products	Paper plates and cups	Food processing waste (industrial food waste)	Newspapers, flyers, magazines, catalogues,
FOG	Bread, rice, pasta	Eggs and eggshells	Sugar and flour bags	Coffee grinds and filters	Tissue
Tea leaves and bags	Non Recyclable Paper Products (Clean, Damp or Soiled)	Napkins, paper towels and waxed fast food wrappers	Bond paper	Cardboard, including corrugated cardboard	Biodegradable and compostable liners/bags
Leaves	Phone books	paper egg cartons	paper backs	Waxed paper	service ware

# West Hartford's MSW Tomorrow

Collection

West Hartford

Transportation

Tip Fees

Covanta Bristol

**Total  
Collection,  
Transportation  
&  
Tip Fees**

**\$3,410,000**

Recyclables

**\$770,000**

**\$770,000 = \$4,180,000**

MSW

**\$1,540,000**

MSW Tipping Fees

**\$1,100,000**

+ Organic  
Transportation  
Cost



52 collections & trips  
per residential  
unit per year

